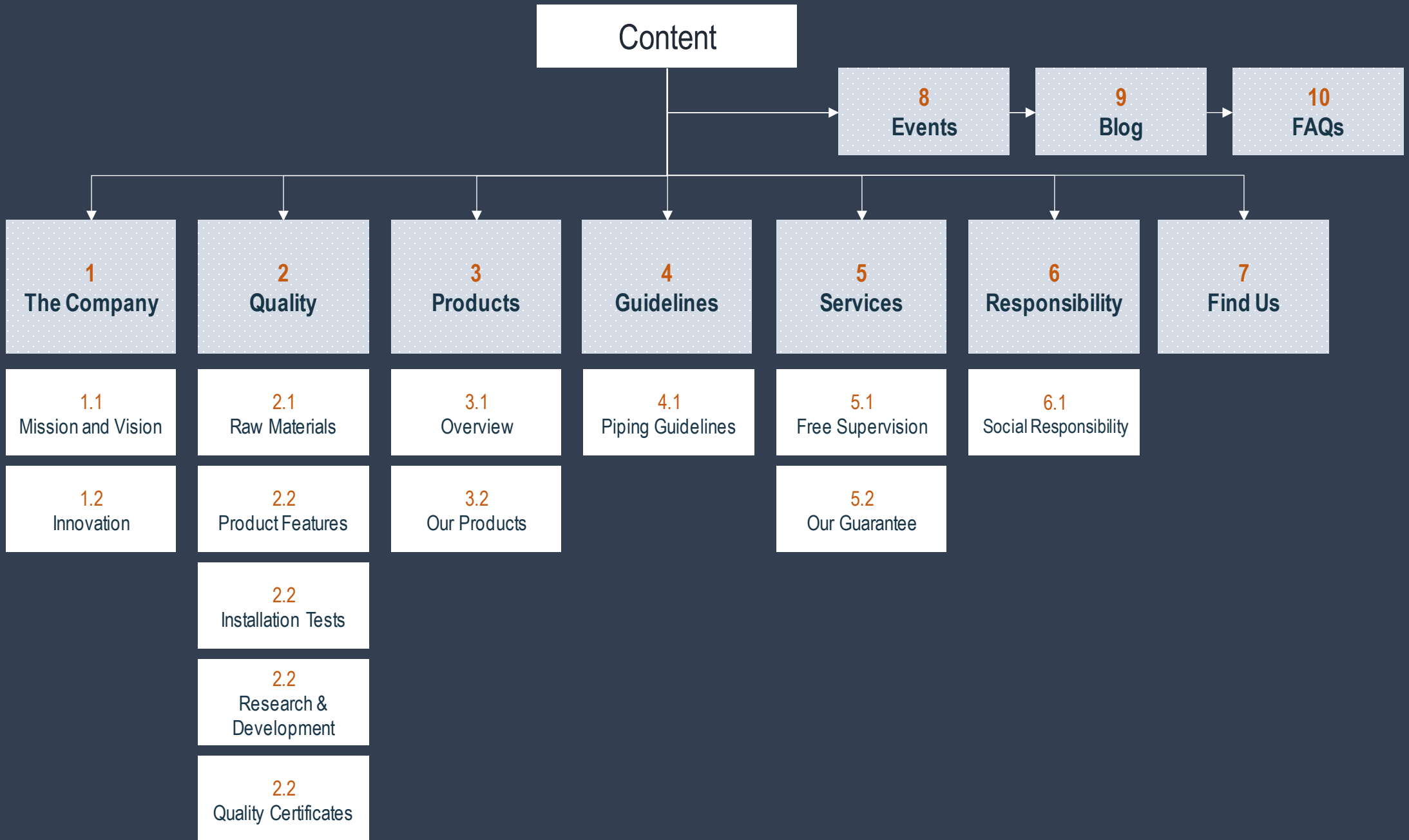


AL KOBLAN Thermopipe Factory

We Build Bridges to the Future



1. The Company – 1.1. Mission and Vision

Mission

Our Mission is to manufacture and deliver high quality PPr Pipes and Fittings utilizing the latest technology, maintaining the highest product, services quality and meeting customers quality expectations through coordinated efforts from motivated and quality conscious employees.

Vision

We, at "AL KOBLAN Thermopipe Factory Co." are committed to demonstrate our leadership in supplying high quality PPr Pipes, Fittings and Value added services by focusing all our actions towards customer's satisfaction through continuous investment and development of our products, services and resources

1. The Company – 1.2. Innovation

With more than 25 years of hard-work and broad experience, and a large number of successfully completed projects, we are proud to be one of the leading companies locally and regionally in the manufacture of thermopipes industry, in addition to all related equipment and accessories. With specialized team members and qualified engineers, we gained the confidence of all our customers, to become one of the largest producers and the first destination of those looking for quality and excellence during the implementation of their projects.

With constant insistence and steadfast determination, we strive to be side by side with our customers in all their aspirations and needs, and therefore we always work on creating all new and distinguished to develop products suitable for the requirements of the labor market in terms of specifications, weather conditions and conformity to international quality and safety standards, and accordingly we believe in renewal innovation as an urgent need and a pillar of leadership in our business fields.

"We derive our strength from the trust of our customers"

2. Quality – 2.1. Raw Materials

At Al Koblan Factory, all materials used in our production lines are of high quality and resistant to climatic conditions, pressures, or hits, in addition to being healthy materials that are friendly to humans and the environment as they comply with international standards and undergo many checks before adding them to production lines.

Human and environment-friendly materials

We are always keen to investigate safe materials for trophic uses such as water and other consumable liquids, and we closely monitor all reports and updates issued by international organizations concerned with these matters.

High-quality materials

In addition to being friendly to humans and the environment, the quality of the materials used is one of the main reasons for our customer's confidence in us over the years. With its resistance to all climatic conditions and physical pressures, as it was tested in several locations and at different seasons of the year and proved to be effective and durable to high or very low temperatures without being affected by any cracks or blockages.

For more information about the quality of our products, you can visit the quality certificates page, and you can also view information about our after-sales guarantee for all products.

[Quality Certificates](#)

[Our Guarantee](#)

Technical and Functional Specifications

High resistance thermopipes and fittings are manufactured using Polypropylene (PPr), which has a high atomic weight and is very suitable for hot and cold fluid piping applications, as it is resistant to pressures, hits, and microcracks on the inner surfaces of the pipes.

There are no restrictions on the use of (PPr) in sanitary applications, as it is approved for its excellent ability to resist chemicals and maintain the acidity of liquids without being affected by temperature or liquid type.

For more technical and functional information, you can view the table of material properties, and you can also contact us to provide you with more details and technical specifications for all products we provide.

Density	0.895 Gr/Cm ³
Melting Point	140° - 150°
Molecular Weight	500.000
E-Modulus	800 N/Mm ²
MFI	190/ 0.505 Gr/10 Min.
Coef. of Linear Exp.	4-10 × 1.5 K

2. Quality – 2.2. Product Features

With high capabilities to produce a wide range of thermopipes and related accessories, in addition to a wide network of suppliers and partners, Al Koblan Factory gained the trust of all customers and became one of the pioneers in manufacturing thermopipes in the region with high-quality products and equipment that cover the needs of all markets.

Rust Resistant

High ability to resist all degrees of acids and alkalis between 1-14, and it is marked by great resistance to climatic conditions and not being affected by materials used in construction works such as lime, cement, etc.

No More Blockages

Due to the smooth inner surface, there is no resistance to the flowing fluids, and the thermopipes are also known by their flexibility and resistance to corrosion, preventing the formation of any holes or bends that may cause blockages

Easy to install

Lightweight, easy to install, with a wide range of accessories and equipment available in addition to year-round technical support to ensure immediate maintenance and easy replacement of any damaged parts

Energy Saving

All components used in thermopipes manufacturing are insulating and non-conductive, which reduces heat loss in the liquids and reduces condensation formed on the external surfaces. This helps to save energy by at least 15%.

Noise Free

(PPr) is well-known as a soundproofing material with the ability to flexibly expand and contract, this helps in reducing noise from plumbing extensions caused by the continuous or sudden flow of fluids in pipes.

Long Life

Thermopipes are non-perishable when used under standard conditions, they are of high quality and have a long-life span of more than 50 years. It is always advised to use them within the recommended temperatures and pressures.

Hygiene and Approved

All used materials are healthy and friendly to humans and the environment, as well as conforming to international standards and subject to many conditions and checks before entering production lines. We only use approved materials.

Flexible and Frost-Resistant

High ability to resist vibrations and ground subsidence expected in buildings, the great flexibility helps with resistance to freezing, as the thermopipe sector increases and expands to match the size of the frozen liquids within it.

2. Quality – 2.3. Installation Tests

We recommend monitoring the network pressure before starting to use it, as it is one of the most important factors that greatly affect the quality of fluids flow and access to all points along the line. The test is usually performed by pumping quantities of water or compressed air after installing each part separately and upon completion of the entire network installation as well. The test is carried out in several stages according to the following:

- A 30-minute initial test and a 120-minute final test are being conducted on every network
- The test is performed by pumping air into the network and discharging it at its highest point
- A pressure of 20 bar is used during the test
- The compressed air is discharged once every 15 minutes.
- When reading the results, the natural deficiency of compressed air in the network is taken into consideration for several factors, including turns and connection threads.
- Deficiency is considered normal and expected if it is within 0.3 bar and is neglected
- It is essential to ensure that the tests are passed for each network installed and that the flow is running without interruptions
- Temperature change during the test may cause a difference in the pressure results, and therefore an accurate toolings should be used to note these differences

For more information about testing the networks and the necessary equipment, you can visit the services page or contact the technical support team at Al Koblan Factory.

[Services](#)

[Contact Support](#)

2. Quality – 2.4. Research and Development

The primary task of R&D team at Al Koblan Factory is to work on improving quality standards in all products to meet the needs of small, medium or large projects. We do our best to provide products that comply with international standards and the requirements of all markets and customers. Therefore, we spend a lot of effort and time to invest in the research and development team and we consider it one of the indispensable departments of our company.

We also continuously perform studies and analysis on all of our products with the efforts of great experts who have extensive knowledge and long experience in the field of research and development. These studies are later transferred to a qualified team of implementation specialists to manufacture the products under the supervision of the Quality Management and Measurement Standards Department. All products along the production line go through several stages and tests using quality inspection devices and conforming to specifications and standards, after which they are prepared for local use or for export to several countries around the world.

We are always keen to apply international quality standards and make sure that our customers are receiving a product of high quality and long life.

Most important factors that are focused on during the product life cycle:

Raw Materials: With a wide network of suppliers and partners around the world, we only use high quality materials provided with quality certificates and conform to local and international standards.

Manufacturing Mechanisms: All tools and machines used in our factory are among the latest scientific findings in the field of thermopipes production, we focus on developing the current mechanisms continuously to increase product quality and production speed

Quality Tests: The testing processes continue during all stages of production, and are extended to include the stage of product installation and testing through the free testing service that we provide to our customers to make sure that there are no errors in the installed network

2. Quality – 2.5. Quality Certificates

quality certificates to be add

3. Products – 3.1. Overview

Our product list includes all types of thermopipes, and accessories used in plumbing networks, and they are manufactured according to the latest European technologies and international quality standards. The main material used is (PPr) and it is imported from several suppliers and partners in European countries.

Being primarily made of plastic, the thermopipes are extremely durable, corrosion-resistant, very light, and flexible during assembly and installation. They are also widely used in many applications, especially in heating systems, due to their resistance to high and low temperatures.

Some thermopipes are also equipped with an anti-bacterial insulating layer and are widely used in drinking water pipes or other applications and industries that require a high level of sterilization and hygiene. These pipes are also resistant to sediments and calcifications that is formed in the networks and cause blockages that reduce the amount of flow.

As one of the most important plastic products in the world and as one of the largest manufacturers of these products in the Kingdom and the region in general, we provide these thermopipes in different colors and sizes, and we always work to provide more accessories and equipment to ensure higher performance and greater effectiveness. Our products can be used in a wide variety of applications such as heating systems, drinking water or sewage pipes, plumbing systems in factories or large establishments, as well as transporting chemicals and many other applications.

You can access our products portfolio and view all details from here

[Products](#)

3. Products – 3.2. Our Products

[View All Products](#) (Details copied from catalog)

4. Guidelines – 4.1. Piping Guidelines

Welding videos and future videos about piping instructions will be added

5. Services – 5.1. Free Supervision

At Al Koblan Factory, we work to provide all necessary services to our customers and ensure their trust and comfort, to give them the necessary support during all stages of the project. And to grant the best quality of service and accurate results during testing and implementation.

Our free supervision service includes all projects and is implemented according to several stages.

- The preliminary test is done after the completion of the installation and before the plaster in order to ensure that no leaks from the pipes occur in the subsequent stages
- The final test is carried out after the tank net is installed and before the surface tiling phase.

How can I benefit from the free supervision service?

Make sure to complete the request in advance, ask for help and book an appointment before the date of the service

Install all pipelines, and make sure that glands and corner bolts are installed, and extensions are closed

Pump water into all network lines, and don't forget to disconnect the tank's iron pipes, if any

Wait for the pressure test to finish to begin plaster and tile operations so that you do not have to make any adjustments later

Make sure to prepare the test site, in case the site is not ready, another date will be set according to the work conditions

**Free supervision service is provided in some regions of the Kingdom of Saudi Arabia and is valid for Al Koblan Factory products only. No support will be provided if other products are used.*

**For more information about our services and warranty terms, you can contact us via the contact page or by calling the numbers: Unified number (920002216) - Direct number (4778085)*

5. Services – 5.2. Our Guarantee

A warranty certificate will be added

6. Responsibility – 6.1. Social Responsibility

We have always prioritized environmental programs and have made great efforts to improve societal safety in all production processes at our facilities. We are also committed in AI Koblan Factory to protect and care for humans and the planet from any impacts that may result from the production of our products, and therefore we are also committed to agreements with suppliers who share the same vision and responsibility towards the environment and society.

Abide by Laws and Regulations

We believe in the importance of occupational health, safety and environment management systems and adhere to all instructions issued by the local and international concerned authorities in our facilities and workplaces. We also develop our own systems to ensure maximum compliance by management and employees

Health and Safety Policies

We are keen to provide safe workplaces for all our employees, our customers, the contracting parties with us, and the general community by fully adhering to all relevant policies, and we encourage taking the necessary proactive measures to provide a safe work environment, free from accidents and injuries.

Environmental Sustainability

We are committed to protecting the environment and society, as we strive to preserve natural resources through the continuous application of saving techniques and investment to use alternative energy sources and preserve environmental resources, which positively helps protecting the climate, water, and energy.

Policies and Charters

Our responsibility towards society also requires that we be influential and effective in the environment in which we live and work. Accordingly, we share our communities with awareness campaigns on basic issues such as recycling, alternative energy resources, policies and charters related to the environment, etc.

Suppliers and Other Parties

In terms of positive impact, we are committed to improving occupational health and safety laws of our suppliers and contractors through continuous communication, evaluation and auditing of imported materials and the mechanisms used. We also encourage the use of safer materials and healthier alternatives if available

Emergency Preparedness

The best way to be safe against emergencies is to be fully prepared for it. We are always working to improve the mechanisms of our response to all kinds of emergencies in the workplace, living place, and public places, and we are keen to provide sufficient information about the response mechanisms that must be followed and the correct behavior in all cases.